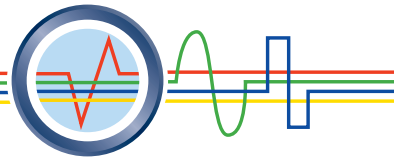
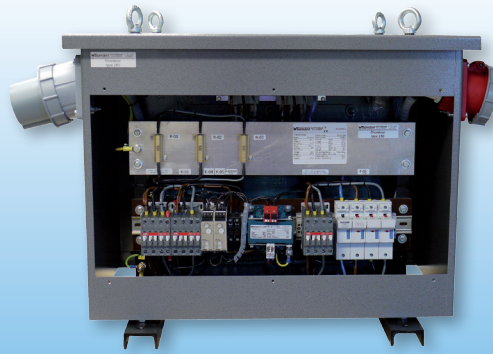


SHOREPACK SOLUTIONS FOR INLAND SHIPPING SHORE POWER SYSTEMS



PROJECTS
Wesemann



INTRODUCTION

Following the Air Quality Decree 2005 among other things, Wesemann Projects B.V. took the initiative to develop a supply solution for all inland vessels. The solution complies with the guidelines attached to such systems. The objective of the aforementioned directive is to reduce the amount of particles emitted during the period a vessel is moored. The shore transformer onboard the vessel is used to realise a galvanic division between shore and vessel, and is fitted with the necessary safety equipment. This explanation describes the different systems available and discusses the project-based approach of Wesemann.

PRODUCT SELECTION

Wesemann has three different standard solutions, which can be further customised if necessary.

SHOREPACK-115

The shorepack-115 is a standard shore connection transformer with the following technical properties:

- Primary voltage: 3x400V+N 50Hz
- Secondary voltage: 3x400V at 16A
- Capacity: 11.5kVA
- Natural cooling
- Suitable for 45 degrees ambient temperature
- Primarily fitted with 4-pin WCD (Male) 32A +PE with cover
- Alternatively fitted with 4-pin WCD (Female) 32A +PE with cover
- Limited switch-on current $<1 \times I$ nominal
- Fitted with overcurrent protection
- IP23
- Dimensions (w x d x h in mm) 640 x 490 x 490

SHOREPACK-250

- Secondary voltage: 3x400V at 32A
- Capacity: 25kVA
- Primarily fitted with 4-pin WCD (Male) 32A +PE with cover
- Alternatively fitted with 4-pin WCD (Female) 32A +PE with cover
- Dimensions (w x d x h in mm) 710 x 510 x 605

SHOREPACK-440

- Secondary voltage: 3x400V at 63A
- Capacity: 44kVA
- Primarily fitted with 4-pin WCD (Male) 63A +PE with cover
- Alternatively fitted with 4-pin WCD (Female) 63A +PE with cover
- Dimensions (w x d x h in mm) 710 x 570 x 665

INVESTMENT COST ALLOWANCE

Under the M I A/VAMIL scheme, it is possible to receive an investment cost allowance via the tax authorities. For more information, visit www.belastingdienst.nl or agentschap nl: www.agentschapnl.nl/vamilmia

WARRANTY AND MAINTENANCE

Maintenance

After the agreed warranty period expires, a maintenance contract can be concluded for the shore transformer at extra cost. Under this contract, the transformer boxes that fall under the contract are checked for a number of fault-sensitive points each year and:

- The system automatics are tested
- The internal transformer box is cleaned
- The internal connections are checked
- A maintenance certificate is issued after the work has been carried out

This ensures that the customer is guaranteed of a correctly performing shore transformer after each service. The separate maintenance contract must be concluded upon instruction.

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